

METHODS OF INDUCING DIFFERENTIATION OF STEM CELLS

ABSTRACT OF THE DISCLOSURE

The present invention relates to methods of inducing differentiation of stem cells. In particular, the invention relates to methods of inducing differentiation of embryonic stem cells into muscle cells or vascular endothelial cells. The invention also includes cells, cell lines, testing models and culture systems used in the methods of the present invention and differentiated cells produced therefrom. The present invention also provides methods of using the differentiated cells of the present invention for therapeutic purposes.